

PRODUCTION OF ANTIFUNGAL PAINTED METAL PANEL

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Abstract of JP7313935

PURPOSE: To keep antifungal effect long, in producing an antifungal painted metal panel by painting a metal panel with thermosetting paint to which an antibacterial agent and an antifungal agent are added by a specific ratio to bake and cure the paint layer, by compounding a melamine resin with the paint in a specific ratio. CONSTITUTION: Thermosetting paint having an antibacterial agent and an antifungal agent added thereto in an amt. of 0.1-50 pts.wt. per 100 pts.wt. of a paint solid is applied to a metal panel and baked and cured to produce an antifungal painted metal panel. In this case, 0.1-100 pts.wt. of a melamine resin curing agent is compounded with 100 pts.wt. of the paint solid. As the melamine resin curing agent, a methylated or butylated melamine resin is used. Since the compatibility of the melamine resin with a paint resin or a solvent is low, the melamine resin is conc. in a surface layer at the time of baking to form a dense layer and it is estimated that the elution of the antibacterial agent and the antifungal agent is suppressed by this layer. Therefore, a painted metal panel keeping antibacterial and antifungal effect long can be obtained.

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